

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5**

IN THE MATTER OF:

Waste Management of Illinois, Inc.
601 Madison Road
East St. Louis, Illinois 62201

ATTENTION:

Ernest H. Dennison, P.E.
District Engineer

Request to Provide Information Pursuant to the Clean Air Act

The U.S. Environmental Protection Agency is requiring Waste Management of Illinois, Inc. (Waste Management or you) to submit certain information about the Cottonwood Hills Recycling and Disposal facility at 10400 Hillstown Road, Marissa, Illinois (Cottonwood). Appendix A provides the instructions needed to answer this information request, including instructions for electronic submissions. Appendix B specifies the information that you must submit. You must send this information to us within 30 calendar days after you receive this request.

We are issuing this information request under Section 114(a) of the Clean Air Act (the CAA), 42 U.S.C. § 7414(a). Section 114(a) authorizes the Administrator of EPA to require the submission of information. The Administrator has delegated this authority to the Director of the Air and Radiation Division, Region 5.

Waste Management owns and operates an emission source at the Cottonwood Marissa, Illinois facility. We are requesting this information to determine whether your emission source is complying with the Illinois State Implementation Plan; the New Source Performance Standards for Municipal Solid Waste Landfills at 40 C.F.R. Part 60, Subpart WWW; the

National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills at 40 C.F.R. Part 63, Subpart AAAA; and Cottonwood's Title 5 permit.

Waste Management must send all required information to:

Attn: Compliance Tracker, AE-17J
Air Enforcement and Compliance Assurance Branch
U.S. Environmental Protection Agency
Region 5
77 W. Jackson Boulevard
Chicago, Illinois 60604

Waste Management must submit all required information under an authorized signature with the following certification:

I certify under penalty of law that I have examined and am familiar with the information in the enclosed documents, including all attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are, to the best of my knowledge and belief, true and complete. I am aware that there are significant penalties for knowingly submitting false statements and information, including the possibility of fines or imprisonment pursuant to Section 113(c)(2) of the Clean Air Act and 18 U.S.C. §§ 1001 and 1341.

As explained more fully in Appendix C, you may assert a claim of business confidentiality under 40 C.F.R. Part 2, Subpart B for any part of the information you submit to us. Information subject to a business confidentiality claim is available to the public only to the extent, and by means of the procedures, set forth at 40 C.F.R. Part 2, Subpart B. If you do not assert a business confidentiality claim when you submit the information, EPA may make this information available to the public without further notice. You should be aware, moreover, that pursuant to Section 114(c) of the CAA and 40 C.F.R. § 2.301(a) and (f), emissions data, standards and limitations are not entitled to confidential treatment and shall be made available to the public notwithstanding any assertion of a business confidentiality claim. Appendix C provides additional information regarding the meaning and scope of the term "emissions data."

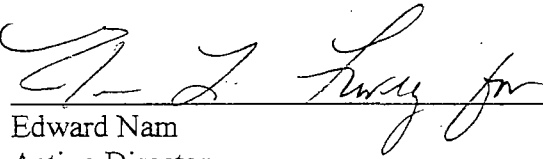
This information request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 *et seq.*, because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation.

We may use any information submitted in response to this request in an administrative, civil or criminal action.

Failure to comply fully with this information request may subject Waste Management to an enforcement action under Section 113 of the CAA, 42 U.S.C. § 7413.

You should direct any questions about this information request to Linda H. Rosen, at 312-886-6810, or Ken Ruffatto, at 312-886-7886.

6/20/16
Date



Edward Nam
Acting Director
Air and Radiation Division

Appendix A

When providing the information requested in Appendix B, use the following instructions and definitions.

Instructions

1. Provide a separate narrative response to each question and subpart of a question set forth in Appendix B.
2. Precede each answer with the number of the question to which it corresponds and, at the end of each answer, identify the person(s) who provided information used or considered in responding to that question, as well as each person consulted in the preparation of that response.
3. Indicate on each document produced, or in some other reasonable manner, the number of the question to which it corresponds.
4. When a response is provided in the form of a number, specify the units of measure of the number in a precise manner.
5. Where information or documents necessary for a response are neither in your possession nor available to you, indicate in your response why the information or documents are not available or in your possession, and identify any source that either possesses or is likely to possess the documents or information.
6. If information not known or not available to you as of the date of submission later becomes known or available to you, you must supplement your response. Moreover, should you find at any time after the submission of your response that any portion of the submitted information is false or incorrect, you must notify EPA as soon as possible.

Electronic Submissions

To aid in our electronic recordkeeping efforts, we request that you provide all documents responsive to this information request in an electronic format according to paragraphs 1 through 6, below. These submissions are in lieu of hard copy.

1. Provide all responsive documents in Portable Document Format (PDF) or similar format, unless otherwise requested in specific questions. If the PDFs are scanned images, perform at least Optical Character Recognition (OCR) for "image over text" to allow the document to be searchable. Submitters providing secured PDFs should also provide unsecured versions for EPA use in repurposing text.
2. When specific questions request data in electronic spreadsheet form, provide the data and corresponding information in editable Excel or Lotus format, and not in image format. If Excel or Lotus formats are not available, then the format should allow for data to be used in calculations by a standard spreadsheet program such as Excel or Lotus.

3. Provide submission on physical media such as compact disk, flash drive or other similar item.
4. Provide a table of contents for each compact disk or flash drive containing electronic documents submitted in response to our request so that each document can be accurately identified in relation to your response to a specific question. *We recommend the use of electronic file folders organized by question number.* In addition, each compact disk or flash drive should be labeled appropriately (e.g., Company Name, Disk 1 of 4 for Information Request Response, Date of Response).
5. Documents claimed as confidential business information (CBI) must be submitted on separate disks/drives apart from the non-confidential information. This will facilitate appropriate records management and appropriate handling and protection of the CBI. Please follow the instructions in Appendix C for designating information as CBI.
6. Certify that the attached files have been scanned for viruses and indicate what program was used.

Definitions

All terms used in this information request have their ordinary meaning unless such terms are defined in the CAA, 42 U.S.C. §§ 7401 *et seq.*, or the New Source Performance Standards for Municipal Solid Waste Landfills, at 40 C.F.R. Part 60, Subpart WWW and the National Emission Standard for Hazardous Air Pollutants for Municipal Solid Waste Landfills, at 40 C.F.R. Part 63, Subpart AAAA.

Appendix B

Information You Are Required to Submit to EPA

Waste Management of Illinois, Inc. (Waste Management) must submit the following information pursuant to Section 114(a) of the CAA, 42 U.S.C. § 7414(a):

1. Provide a monthly breakdown of the quantity (tons) by type of waste (i.e. municipal solid waste, construction and demolition, asbestos, etc) accepted at the landfill since January 1, 2011.
2. Provide the following information related to all monitoring since July 2011 in excel format if available:
 - a. Monitoring of GCCS wellheads; and
 - b. Monitoring of any additional gas wells or probes.
3. Provide a log of all gas wells and their date of construction and a log of maintenance work performed since July 2011.
4. Provide a detailed description of your surface scan monitoring procedures for the period January 1, 2011 to the date of receipt of this request. Explain all equipment and methods used for traversing the landfill and taking measurements. Describe the path taken; where stops are made and why; and when and how measurements are taken. Provide a color coded map of the area traversed. For any areas not monitored, explain in detail why these areas are not monitored. If you claim certain areas are dangerous to monitor, explain how you determined these areas to be dangerous and explain the criteria you used to make this determination. If your surface scanning procedures changed over the period beginning January 1, 2011 to the present, explain all changes by date.
5. For each surface monitoring event since January 1, 2011 to the date of receipt of this request, provide records of the actual surface monitoring route followed if different than what is provided in the quarterly surface scan reports. In addition, provide records of the specific wells and/or areas excluded from each monitoring event and the reason for the exclusion. State if you did not keep records of the specific wells and/or areas excluded from each monitoring event at the time that the monitoring event occurred.
6. For your flare, provide the following:
 - a. Flare manufacturer and model;
 - b. Date of installation;
 - c. Schematic of flare system including blower, header and piping;
 - d. Flare diameter;
 - e. Flare design and operation specifications (typically from the manufacturer);

- f. Design destruction efficiency for non-methane organic compounds (NMOC);
 - g. Description of automatic shutdown feature of the flare and how it works;
 - h. All written operation and maintenance procedures, not including the Startup, Shutdown and Malfunction Plan.
 - i. Description of equipment and methodology used for monitoring the continuous presence of the flame at the flare. Provide the make and model and manufacturer's specifications for the monitoring device used.
- 7. Provide the results of all performance testing on the flare conducted since its installation to verify compliance with 40 C.F.R. § 60.18, whether or not such performance testing was submitted to the Illinois EPA or the U.S. EPA as a formal test report, except you do not need to submit the testing conducted by SCS Aquaterra for the November 2013 performance test report.
- 8. State whether the flare is complying with the heat content specifications of 40 C.F.R. § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 C.F.R. § 60.18(c)(4), or adhering to the requirements in 40 C.F.R. § 60.18(c)(3)(i). Provide the following for the flare, indicating which performance test is the source of the data and explain all supporting calculations and assumptions:
 - a. Hydrogen content if complying by 40 C.F.R. § 60.18(c)(i)(A);
 - b. Maximum permitted velocity if complying by 40 C.F.R. § 60.18(c)(i)(A);
 - c. Actual exit velocity as determined by 40 C.F.R. § 60.18(f)(4); ,
 - d. Net heating value if complying with 40 C.F.R. § 60.18(c)(3)(ii);
- 9. For the period January 1, 2011 to the date of receipt of this request, provide the results of the analysis of landfill gas (LFG) for total reduced sulfur (TRS) and LFG methane and non-methane organic compounds (NMOC) and net heat content, required by Condition 4.1.2(b)(ii)(B)(II) of your Title 5 permit. Also provide the overall sulfur content of the collected LFG in pounds per hour based upon LFG volumetric flow rate and LFG TRS data. If heat content information was previously submitted in response to question 8, above you do not need to submit it again.
- 10. Explain how the emission factors for sulfur dioxide (SO₂), nitrogen oxides (NO_x), volatile organic materials (VOM)/non-methane organic compounds (NMOC), and carbon monoxide (CO) used in your annual emissions reports were determined. Explain all test results used, calculations done and assumptions made.
- 11. For the period July 1, 2011 to the date of receipt of this request, provide electronic records of the indication of gas flow to the flare, required to be kept by 40 C.F.R. § 60.758(c)(2). Provide the data in excel format, if available.
- 12. For the period July 1, 2011 to the date of receipt of this request, provide electronic records of the flame or flare pilot flame monitoring, required to be kept by 40 C.F.R. § 60.758(c)(4). Provide the data in excel format, if available.

13. For the period July 1, 2011 to the date of receipt of this request, specify all incidences of startup, shutdown or malfunction of the flare, including incidences which were one hour or less.
 - a. Provide the date, start time, end time and duration of the startup, shutdown or malfunction incident;
 - b. Explain whether the incident constituted a startup, shutdown or malfunction;
 - c. Provide a description of the startup, shutdown or malfunction incident; and
 - d. Describe the corrective actions taken.
14. For the period July 1, 2011 to the date of receipt of this request, specify all periods when the gas flow measurement device or flare flame sensing monitoring device was inoperative or malfunctioning, as follows (Provide this information only if it was not already provided in response to question 13):
 - a. Provide the date, start time and duration of period when the monitoring device was inoperative or malfunctioning;
 - b. Provide a description as to why the monitoring device was inoperative or what the malfunction was; and
 - c. Describe all corrective actions taken.
15. For the period January 1, 2013 to the date of receipt of this request, provide a copy of the inspection maintenance and repair log for the landfill and flare, listing each activity performed by date. Include inspections and repairs conducted pursuant to the landfill cover integrity inspection and repair requirement in 40 C.F.R. § 60.755(c)(5).
16. For the period July 1, 2011 to the date of receipt of this request, explain your procedures for inspecting for and removing condensate from the GCCS. Provide all written documents that memorialize your inspection and maintenance procedures related to the GCCS, including those related to condensate (Do not resubmit the information submitted in response to question 6.h., above). Provide a log of all inspections and maintenance activities related to condensate in the GCCS for the period July 1, 2011 to the date of receipt of this request.
17. Provide the results and corresponding field data sheets of all EPA Method 22 and Method 9 visible emissions observations taken at the flare for the period January 1, 2013 to the date of receipt of this request. To the extent it was available at the time the readings were taken, provide the following information:
 - a. Date and time the observations were performed;
 - b. Name(s) of observing personnel and their affiliation;
 - c. Total elapsed time for each observation (i.e., the observation period);
 - d. Weather conditions, sun position and observer position relative to source and sun;
 - e. The findings of the observation including the presence of any visible emissions or the percentage of opacity;

- f. Operational status of the open flare; and
- g. Corrective actions taken.

Appendix C

Confidential Business and Personal Privacy Information

Assertion Requirements

You may assert a business confidentiality claim covering any parts of the information requested in the attached Appendix B, as provided in 40 C.F.R. § 2.203(b).

Emission data provided under Section 114 of the CAA, 42 U.S.C. § 7414, is not entitled to confidential treatment under 40 C.F.R. Part 2.

“Emission data” means, with reference to any source of emissions of any substance into the air:

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of any emission which has been emitted by the source (or of any pollutant resulting from any emission by the source), or any combination of the foregoing;

Information necessary to determine the identity, amount, frequency, concentration or other characteristics (to the extent related to air quality) of the emissions which, under an applicable standard or limitation, the source was authorized to emit (including to the extent necessary for such purposes, a description of the manner and rate of operation of the source); and

A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources (including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source).

40 C.F.R. § 2.301(a)(2)(i)(A), (B) and (C).

To make a confidentiality claim, submit the requested information and indicate that you are making a claim of confidentiality. Any document for which you make a claim of confidentiality should be marked by attaching a cover sheet stamped or typed with a caption or other suitable form of notice to indicate the intent to claim confidentiality. The stamped or typed caption or other suitable form of notice should employ language such as “trade secret” or “proprietary” or “company confidential” and indicate a date, if any, when the information should no longer be treated as confidential. Information covered by such a claim will be disclosed by EPA only to the extent permitted and by means of the procedures set forth at Section 114(c) of the CAA and 40 C.F.R. Part 2. Allegedly confidential portions of otherwise non-confidential documents should be clearly identified. EPA will construe the failure to furnish a confidentiality claim with your response to the information request as a waiver of that claim, and the information may be made available to the public without further notice to you.

Determining Whether the Information Is Entitled to Confidential Treatment

All confidentiality claims are subject to EPA verification and must be made in accordance with 40 C.F.R. § 2.208, which provides in part that you must satisfactorily show: that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so, that the information is not and has not been reasonably obtainable by legitimate means without your consent and that disclosure of the information is likely to cause substantial harm to your business's competitive position.

Pursuant to 40 C.F.R. Part 2, Subpart B, EPA may at any time send you a letter asking that you support your confidential business information (CBI) claim. If you receive such a letter, you must respond within the number of days specified by EPA. Failure to submit your comments within that time would be regarded as a waiver of your confidentiality claim or claims, and EPA may release the information. If you receive such a letter, EPA will ask you to specify which portions of the information you consider confidential by page, paragraph and sentence. Any information not specifically identified as subject to a confidentiality claim may be disclosed to the requestor without further notice to you. For each item or class of information that you identify as being CBI, EPA will ask that you answer the following questions, giving as much detail as possible:

1. For what period of time do you request that the information be maintained as confidential, e.g., until a certain date, until the occurrence of a special event or permanently? If the occurrence of a specific event will eliminate the need for confidentiality, please specify that event.
2. Information submitted to EPA becomes stale over time. Why should the information you claim as confidential be protected for the time period specified in your answer to question number 1?
3. What measures have you taken to protect the information claimed as confidential? Have you disclosed the information to anyone other than a governmental body or someone who is bound by an agreement not to disclose the information further? If so, why should the information still be considered confidential?
4. Is the information contained in any publicly available databases, promotional publications, annual reports or articles? Is there any means by which a member of the public could obtain access to the information? Is the information of a kind that you would customarily not release to the public?
5. Has any governmental body made a determination as to confidentiality of the information? If so, please attach a copy of the determination.
6. For each category of information claimed as confidential, explain with specificity why release of the information is likely to cause substantial harm to your competitive position. Explain the specific nature of those harmful effects, why they should be viewed as

substantial and the causal relationship between disclosure and such harmful effects. How could your competitors make use of this information to your detriment?

7. Do you assert that the information is submitted on a voluntary or a mandatory basis? Please explain the reason for your assertion. If you assert that the information is voluntarily submitted information, explain whether and why disclosure of the information would tend to lessen the availability to EPA of similar information in the future.
8. Is there any other information you deem relevant to EPA's determination regarding your claim of business confidentiality?

If you receive a request for a substantiation letter from the EPA, you bear the burden of substantiating your confidentiality claim. Conclusory allegations will be given little or no weight in the determination. In substantiating your CBI claim(s), you must bracket all text so claimed and mark it "CBI." Information so designated will be disclosed by EPA only to the extent allowed by and by means of the procedures set forth in 40 C.F.R. Part 2, Subpart B. If you fail to claim the information as confidential, it may be made available to the public without further notice to you.

Personal Privacy Information

Please segregate any personnel, medical and similar files from your responses and include that information on a separate sheet(s) marked as "Personal Privacy Information." Disclosure of such information to the general public may constitute an invasion of privacy.

CERTIFICATE OF MAILING

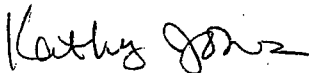
I, Loretta Shaffer, certify that I sent a Request to Provide Information Pursuant to the
Clean Air Act by Certified Mail, Return Receipt Requested, to:

Ernest Dennison, District Engineer
Waste Management of Illinois, Inc.
601 Madison Road
East St. Louis, Illinois 62201

I also certify that I sent a copy of the Request to Provide Information Pursuant to the
Clean Air Act by E-mail to:

Yasmine Keppner-Bauman
Acting Manager, Compliance Section
Bureau of Air
Illinois Environmental Protection Agency
Yasmine.Keppner-Bauman@illinois.gov

On the 20th day of June 2016.


for Loretta Shaffer, Program Technician
AECAB, PAS

CERTIFIED MAIL RECEIPT NUMBER: 7009 1680 0006 7646 9197